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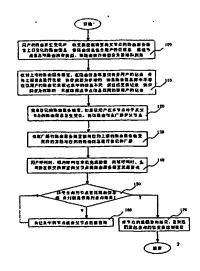
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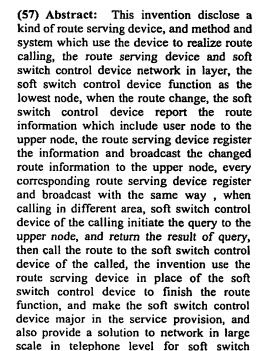
[见续页]

- (54) Title: ROUTE SERVING DEVICE, METHOD AND SYSTEM APPLYING THE DEVICE
- (54) 发明名称: 路由服务装置及应用该装置实现呼叫路由的方法和系统



- START
- MEMER ITELUZER ROUTE CHANGE THE BOFT SWITCH DEVICE REPORT THE CHANGED ROUTE REFORMATION TO THE ROUTE SERVING DEVICE OF THE UPPER ROUGE. THE BOYDRAINGH MICHOLE USER CHANGETERSTIC OF ORMATION INFORMATION OF THE REPORTING MODE AND ROUTE OPERATION TYPE THE ROUTE OPERATION NICLUDE ADDRESS AND DESERVE.
- 110 THE ROUTE SERVING DEVICE RECEMING THE NO GROWNTOM QUERT THE LOGGING USER HOTE ON THE ROUTE BY GROWNTOM QUALBASE, AND COMPARE WITH THE REPORTED HE GROWNTOM OPERATION TYPE IS NEWLY ADDED OF THERE IS NO ROUTE HOTE OF THE USER HE THE ROUTE OF LANGES OR THE OPERATION THE HOTE IS DIFFERENT THEN NEWLY ESTABLISH ON UPDATION THE MOTE OPERATION TYPE IS DELETING ONLY DELETE THE SAME USER
- 120 IF THE USER IN THE MODE CHANGED ITS ROUTE INFORMATION COMPARED TO THE UPPER MODE, THEN THE ROUTE SERVING DEVICE THAT FAISHED THE RECISTER WILL BROAFCAST THE ROUTER INFORMATION TO THE UPPER MODE
- 130 THE ROUTE SERVING DEVICE RECEMING THE BROADCAST REGISTER AND BROADCAST THE RECEIVED ROUTE DEFORMATION ACCORDING TO THE SAME METHOD OF THE ROUTE SERVING DEVICE RECEIVING THE REPORTING
- 140 WHEN USER CALLING WITHIN LOCAL ARRA, THE SMITCH OF THE CALL IS COMPLETED LOCALLY, OUTSIDE LOCAL ARRA. THE SOFT SWITCH DEVICE OF THE CALLING BEGIN QUERTING TO THE ROUTE SERVING DEVICE OF THE UPPER ARRANGE.
- THE HODE ACCEPTING THE QUERY LOOK UP THE ROUTE INFORMATION DATABASE AND DETERMINE WHILTHEI GET THE RESULT OR NOT?
- ISO CO ON CULENTING THE RODE OR THE WIPER MODE IN THE MOTE

 170 FOR EACH MODE RETURN THE OUTRY RESULT LINTIA RETURN THE SOFT SWITCH CONTROL DEVICE THAT BEGIN
 THE QUEEN



control device.

根据细则4.17的声明:

- 关于申请人在国际申请日有权申请并被授予专利(细则4.17(ii))
- 对除美国以外的所有指定国
- 发明人资格(细则4.17(iv))仅对美国

本国际公布:

— 包括国际检索报告。

所引用双字母代码和其它缩写符号,请参考刊登在每期 PCT公报期刊起始的"代码及缩写符号简要说明"。

(57) 摘要

本发明公开了路由服务装置及应用该装置实现呼叫路由方法和系统,路由服务装置和软交换控制装置分层组网,软交换控制装置作为最下层的节点,用户路由发生变化时,软交换控制装置向父节点上报的包含用户节点的路由信息,路由服务装置进行登记,并将变化的路由信息广播到.父节点,各相关路由服务装置以同样方法进行登记和广播,跨域呼叫时,主叫所在软交换控制装置向父节点发起查询,并接收返回的查询结果,从而将呼叫路由到被叫所在软交换控制装置,本发明用路由服务装置代替软交换控制装置完成呼叫路由功能,使软交换控制装置专注于业务的提供,也为软交换控制装置提供了一种电信级的大规模组网解决方案。